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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/715,069	11/20/2000	Hermann Kuenzner	951/49289	8872

7590 03/31/2003

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EXAMINER

VU, KIEU D

ART UNIT	PAPER NUMBER
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2173

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DATE MAILED: 03/31/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PRC

PR4

Office Action Summary	Application No. 09/715,069	Applicant(s) KUENZNER, HERMANN	
	Examiner Kieu D Vu	Art Unit 2173	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 November 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 U.S.C. § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 5-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 5, lines 2-3, recitation "where there are means to control the display..." renders claim 5 vague and indefinite because it is not clear whether such aforementioned means is a part of the indicator or is external to the indicator. The scope of the claim is, therefore, unascertainable.

Claim Rejections - 35 U.S.C. § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yaegashi et al ("Yaegashi", U.S.P 6,453,731) and Driscoll et al ("Driscoll", U.S.P 4,180,860).

Regarding claims 1 and 5, Yaegashi teaches a process and an indicator for visually display of fuel consumption in motor vehicles (see figures 1 and 7) with an electronically controllable display (2), where the display is controlled in such a manner

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that at least two sets of information (temporary fuel consumption 210 and long-term average fuel consumption) (see figure 7, col. 10, lines 31-42), having an interrelated effect are displayed as a comparison by graphical representation. It is noted that Yaegashi teaches that it is alternatively possible to additionally display the long-term average fuel consumption (in addition to the temporary fuel consumption 210 and the comparative fuel consumption 211). Yaegashi differs from the claims in that Yaegashi does not teach that the temporary fuel consumption 210 and long-term average fuel consumption are displayed at the same place alternating with the same type of graphic. However, such feature is well known in the art. For example, Driscoll teaches a display device where in two signals may be alternately displayed at the same place alternating with the same type of graphic (bar) (see col. 3, lines 10-32) with the advantage being to make available more information at a single convenient location. It would have been obvious to one of ordinary skill in the art, having the teaching of Yaegashi and Driscoll before him at the time the invention was made, to modify Yaegashi's temporary fuel consumption 210 and long-term average fuel consumption to include displaying two signals alternately at the same place with the same type of graphic (bar) taught by Driscoll with the motivation being to make available more information at a single convenient location.

Regarding claims 2 and 6, Yaegashi teaches the use of bar graph (e.g. bar graph 210) to display information.

Regarding claims 3-4 and 7-8, Yaegashi teaches the use of different colors (color coding) to display different information. See col. 5, lines 21-36.

5. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. § 1.111(c) to consider these references fully when responding to this action.

Aussedat (4,570,226) teaches an economical driving indicator.

Aguren (6,476,725) teaches a control circuit that periodically changes the display by rotating through a pre-selected list of parameters to be displayed.

Stabile et al (6,244,540) teaches information can be displayed alternately.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kieu D. Vu whose telephone number is (703-605-1232). The examiner can normally be reached on Mon - Thu from 7:00AM to 3:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca, can be reached on (703- 308-3116).

The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

(703)-746-7238 (After Final Communication)

or

(703)-746-7239 (Official Communications)

(703)-746-7240 (For Status Inquiries, draft communication)

and / or:

(703)-746-5639 (use this FAX #, only after approval by Examiner, for

"INFORMAL" or "DRAFT" communication. Examiners may request that a formal paper / amendment be faxed directly to them on occasions)

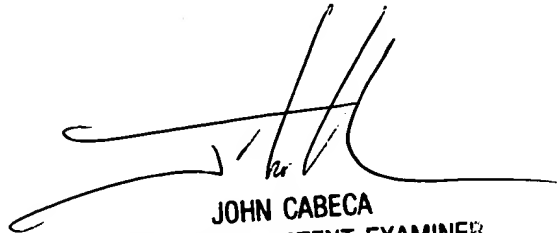
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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703-305-3900).

Kieu D. Vu

March 24, 03.



JOHN CABECA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100